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## Laundry

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### Overview

The Laundry product integration integrates with the campus laundry service and allows users to monitor laundry service availability.

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### Vendor

The Laundry product integration supports Circuit as a vendor.

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### User Experience

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#### User Activities

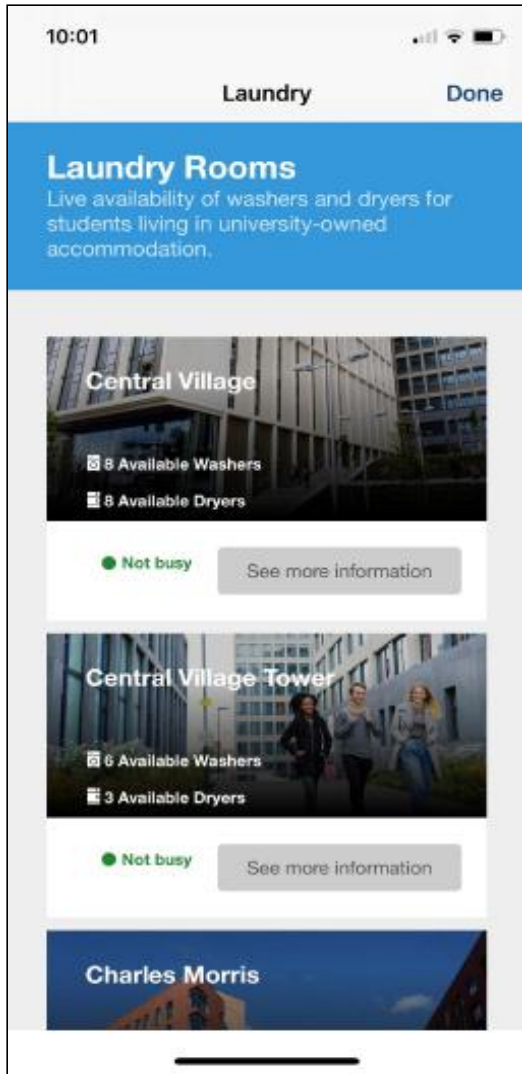
The Laundry product integration allows users to view the availability of the washing machines and dryers in the campus laundry rooms.

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#### Screenshots

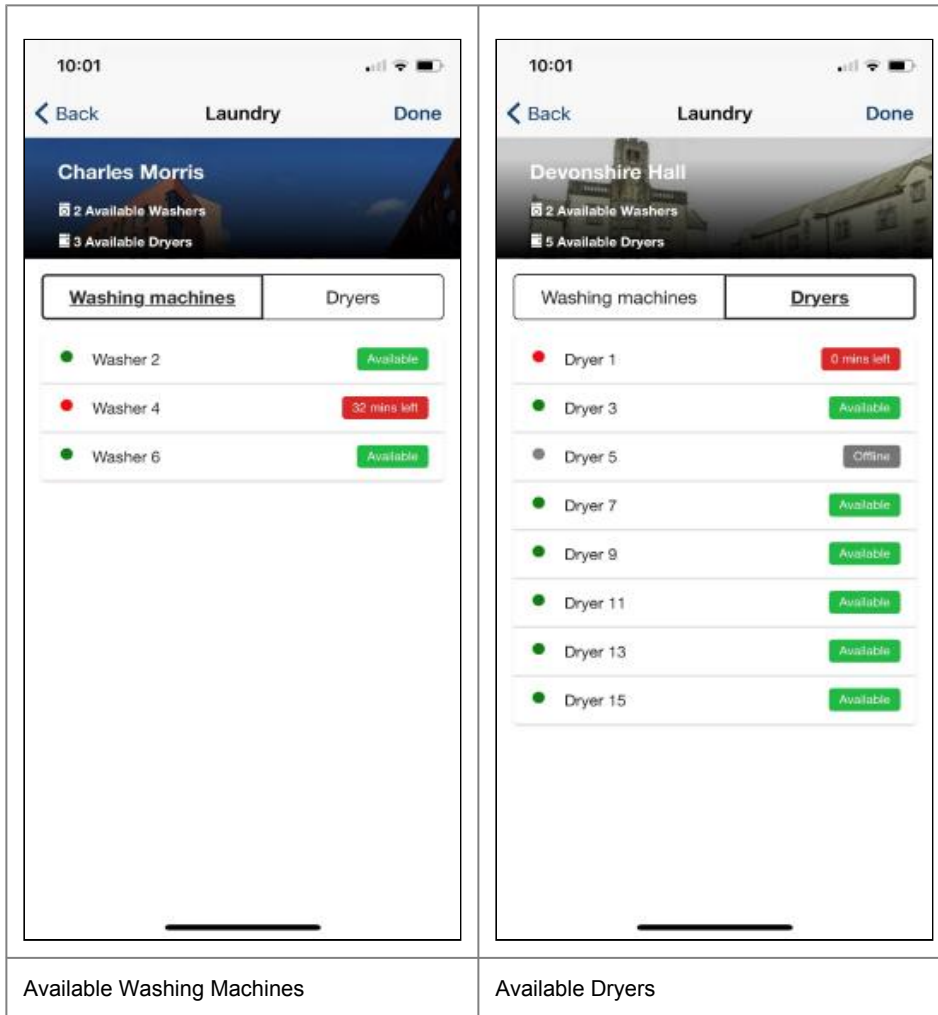
The following is an overview of the Laundry product integration user interface for a reference when configuring it.

After selecting the **Laundry** tile, a list of available laundry rooms appears:



### Laundry Rooms

The number of available machines appears. Click the laundry room for more information.



The available machines are displayed along with their availability status.

## Authentication

No authentication is required on the user side.

## Offline Support

Offline support is not available. Users must be online to see real-time laundry data.

## Technical Overview

Communication with the vendor, Circuit, is according to the API call structure defined in the Vendor area of the configuration section.

The following API calls are used:

- getRoomData
- getNumAvailable

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## Configuration

To configure the Laundry product integration, select **Add Product Integration** from the **Product Integrations** main menu option.

Select **Laundry** and the following configuration page appears:

App Manager laundry

**Enable Product Integration**

Check this box to enable events

**Product Integration description\***

Description for this events instance

- is a required property

**Screen Title**

Appears in top header

Default: 'Laundry'

## Look and Feel

**Primary Theme Color**



Default: '#444444'

**Secondary Theme Color**



Default: '#6f8ea4'

**Button Background Color**



optional

## Text/Labels

Text/Labels for Laundry Screens

**page Title**

Default: 'Laundry Rooms'

**Sub Title**

Default: 'Live availability of washers and dryers for students'

**Images Location**

**Total Machines**

Default: 'Total Machines'

**Available Washers**

## Laundry

The following table describes the configuration options available on this page.

Configuration Option	Description	Mandatory	Data Type	Default	Example
Enable Product Integration	Select to enable the product integration on the user's campusM app.	No	Checkbox	Unchecked	
Product Integration Description	A description of the product integration for internal use	Yes	String		
Screen Title	The title that appears in the top header of the service	No	String	Laundry	
<b>Look and Feel</b>					
Primary Theme Color	Select a color for the main elements on the page	No	Color Code	#444444	
Secondary Theme Color	Select a color for the secondary elements on the page	No	Color Code	#6f8ea4	
Button Background Color	The background color of the buttons	No	Color Code	#d6d9db	
<b>Laundry Card Look and Feel</b>					
Customization for the laundry cards shown on the index page and on any room page.					
Header Title Color		No	Color Code	#ffffff	
Header Text Color		No	Color Code	#ffffff	
Gradient Top Color		No	Color Code	#000000	

Configuration Option	Description	Mandatory	Data Type	Default	Example
Gradient Top Opacity	The amount of opacity to apply to the Gradient Top Color. To make this fully transparent, set it as 0.	No	Number	0.2	
Gradient Bottom Range (%)	The range of the bottom half of the gradient. Setting this to 0 would just leave the Gradient Top Color by itself.	No	Integer	70	
Gradient Bottom Color		No	Color Code	#000000	
<p><b>Text / Labels</b></p> <p>Enter replacement text for the default titles and labels.</p>					
Page Title	Displayed on the index page in the header block.	No	String	Laundry Rooms	
Page Subtitle	Displayed on the index page in the header block.	No	String	Live availability of washers and dryers for students living in university-owned accommodation.	
Image Location	The location of the images of the laundry rooms. The image name must be the same as the laundry room name, in lowercase, without spaces, and in jpg format.	No	String		
Total Machines		No	String	Total Machines	
Available Washers		No	String	Available Washers	
Available Dryers		No	String	Available Dryers	
Appliance Type		No	String	Appliance Type	

Configuration Option	Description	Mandatory	Data Type	Default	Example
Machine Cycle Time		No	String	Machine Cycle Time	
More Info		No	String	See more information	
Text - "Not busy"	Displayed on the laundry card on the index page.	No	String	Not busy	
Text - "Quite busy"	Displayed on the laundry card on the index page.	No	String	Quite busy	
Text - "Very busy"	Displayed on the laundry card on the index page.	No	String	Very busy	
Text - "Washing machines"	Text for the filter button on the appliances subpage.	No	String	Washing machines	
Text - "Dryers"	Text for the filter button on the appliances subpage.	No	String	Dryers	
Text - "Washer"	The label for 'Washer' in the appliances list.	No	String	Washer	
Text - "Dryer"	The label for 'Dryer' in the appliances list.	No	String	Dryer	
Text - "Available"	The status for the appliance in the appliances list.	No	String	Available	
Text - "mins left"	The suffix for an in-use appliance in the appliances list. Time is always measured in minutes.	No	String	mins left	
Text - "Offline"	The status for the appliance in the appliances list.	No	String	Offline	
Error Message		No	String	No laundry rooms received. Please try again later	

Configuration Option	Description	Mandatory	Data Type	Default	Example
<b>Vendor</b>					
Vendor Name	Select the Vendor Name and enter the vendor information to allow Laundry to integrate with the vendor API.	No	Dropdown		Circuit
URL to retrieve the information	The URL of the vendor service	Yes	String		
URL Query Parameters	Any query parameters that need to be sent with the API request. Circuit requires one with a name of "location", set to a Parameter Type of "Request Options", with a Request Parameter Name of "location".	Yes	List		
URL Path Parameters	Any path parameters that need to be filled-in in the API request, if any.	No	List		
General Headers	Any headers that need to be sent with the API request, if any.	No	List		
Authentication Type	Select <b>API Key</b> .	Yes	Dropdown		
<b>API Key</b>					
Header: Key	Enter: <code>x-api-key</code>	Yes	String		x-api-key
Header: Value	The Circuit header API key	Yes	String		
Query Param: Key	Enter: <code>api_key</code>	Yes	String		api-key
Query Param: Value	Enter the private API key	Yes	String		

Configuration Option	Description	Mandatory	Data Type	Default	Example
<b>Circuit Location Filters</b> Settings to filter the locations shown in the PI.					
Enable Location Allow list	When enabled, this removes every room and related appliance from the PI that isn't in the list of rooms below. If the list is empty, everything is removed.	No	Checkbox	Unchecked	
Location Allow list	Any values entered here must exactly match a valid <b>laundry_room_name</b> returned from the Circuit API.	No	List		